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Irish H & V News

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IRISH H&V NEWS

OCTOBER 1984

IRELAND'S BUILDING SERVICES MAGAZINE

DIA-NORM APPOINT INTERHEAT

Interheat Ltd, based at Unit 63 Cherry Orchard Industrial Estate, Dublin, are pleased to announce that they are now distributing the full range of new Dia-



● Seamus Brennan

norm "Diamond" high-output radiators. The Dia-norm high performance radiator is manufactured by Muhr Ltd at their modern plant in the Bunbeg Ghaeltacht of Donegal. Due to the ever increasing popularity of the Dia-norm radiator range Muhr Limited have recently increased

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Tirolia v Waterford Foundry

MAINLY A QUESTION OF DEFINITION

Frank Cruess Callaghan took *H & V News* to task recently following the impression conveyed by our heading on the Tirolia story in last month's issue. Frank is Managing Director of Waterford Foundry Ltd and can be credited with having turned the company around into a viable concern since taking over approximately 18 months ago.

The point at issue is: "Who's the market leader when it comes to domestic solid fuel cookers with a central heating facility?"

To get the answer one can go to the Central Statistics Office and study the importation figures for each of the agents/distributors operating in the country and then compare them with that portion of Waterford Foundry's production which goes to satisfying home market demand for their appliances.

However, this method is not entirely accurate since it gives no breakdown of actual sales to end users. This is something which is very difficult to determine without full access to all the facts and figures at the disposal of every supplier... and of course those of his dealers.

Nonetheless, Mr Cruess Callaghan was sufficiently confident of his market position recently to advise RTE that, unless they stopped running a particular Tirolia advertisement, or changed some of the wording to avoid any false claims, he was going to apply to the High Court for an injunction to get the ad withdrawn and to press for substantial damages for any loss of business by reason of the falsehood contained therein.

Additionally, Wilfried Riether, Managing Director

of Tirolia (Ireland) Ltd, was also informed of impending legal proceedings against his company, again unless the ad was changed or withdrawn.

As it transpired, the wording on the advertisement was changed immediately though Wilfried Riether made it clear that, as far as he was concerned, it was merely to facilitate the continuance of his advertising campaign.

Having booked a series of advertisements to run for a certain length of time, he was not prepared to jeopardise his campaign on the basis that yes, he might win the legal battle but by then it could be this time next year. He felt that it would have been wasteful to get into a lengthy wrangle for the sake of a few word changes when the likely consequences could have

● Continued on Page 2

**'85
IhVex**

**Ireland's Building
and Mechanical
Services Show**

Venue — Royal Dublin Society, Industries Hall;
Dates — 16, 17, 18 April;
Times — 12 noon to 8 pm daily. Details from Irish Trade and Technical Exhibitions (ITTEX) Ltd, 5/7 Main Street, Blackrock, Co Dublin, (Tel: 885001); Telex: 92258.

● See page 22 for details



**THE MOST POPULAR AIR
HEATERS IN IRELAND ARE
MADE BY POWRMATIC AND
SOLD BY HEATING CONTROLS
AND DEVICES (I)
MOST SIZES
AVAILABLE EX-STOCK**




Statistics show that our policy for selling industrial warm air heaters is proving successful.

It's a simple policy based on the principle of not letting people down.

We ensure that all our installers and their customers get what they want.

Good reliable products. Highly competitive prices. Prompt delivery, and the support and specialist advice of a respected and established company.

For full colour literature on our gas and oil range of Air Heaters and Radiant Tubes contact: —

**HEATING CONTROLS
& DEVICES (I)** 

**Single Wall Stainless Steel Flue
and Fittings Available Ex. Stock**

Available from stock

HEATING CONTROLS & DEVICES (I) 

A DIVISION OF FERGUSON (IRELAND) LIMITED

45 BROOMHILL CLOSE, AIRTON ROAD, TALLAGHT, DUBLIN 24. TEL 521533

Heating Controls & Devices, 6 Ballyoran Lane, Dundonald,
Belfast BT160TL. Tel: 5111 Telex: 747536



**Room Heaters of the Future
for the Homes of Today**



These have the largest output of all solid fuel room-heaters. A waterway thermostat controls the fire. They can heat a room, provide hot water and give sufficient output for up to 10 radiators.

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New Corporate Image for Shires;
Well-planned Use of Heat Reclaim;
Recovery in Plastics Threatened; Sky
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Service from Walker Air; Aer Grilles
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ULSTER NEWS:

New Ergas Plant; Energy Saving in
Schools; Thompson Get Tupy;
Institute of Energy
Committee.

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● The Lord Mayor of Belfast, Councillor Alfred Ferguson, officially opened the new £2 million plant for Ergas in the Belfast Harbour Estate on 9 October. He is seen here at the reception which followed the opening with (from left) Will McKee, former NI Manager, Ergas; Nigel Haslam, Financial Director of Shell UK (Ergas is owned by Shell); Pierre Bouvier, General Manager of Ergas in Dublin; Lyal Collen, Chairman of Ergas; Vernon Goodchild, Ergas Director and Sam Chambers, NI Manager, Ergas.



CIBS Ladies Night..... Report on page 14

MEBSCA WEEKEND:

Full report, with pictures, on the
hugely-successful MEBSCA
weekend golf outing last
month.

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CIBS NEWS:

Ladies Night "Cabaret" show gets
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Automatic Controls to Play Key
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Calling Ian Robinson... Come Back
Please!

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IRISH H&V NEWS

IRELAND'S BUILDING SERVICES MAGAZINE

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heating, ventilating, air conditioning, refrigeration, sanitaryware,
plumbing and environmental control industries. Its circulation also
includes energy managers, architects,
designers, sanitary engineers, and
environmental engineers in the 32 counties
of Ireland.

ABC

● Continued from front cover.

been missed business.

However, he is adamant that the phrase in question — "the best-selling solid fuel central heating cooker in Ireland" — is not incorrect.

Having spoken to both parties and listened to their arguments, it becomes apparent that the real problem lies in their respective definitions of what precisely comprises a solid fuel cooker with central heating facility.

Wilfried Riether claims that he's hardly in competition with Waterford Foundry in that, by his reckoning at least, his units are the only ones with the high enough boiler capacity to run a full central heating system for the average Irish home at the required temperature levels.

It was on this basis that he chose the wording for the offending advertisement, he claims, and that he never had any wish or intention to portray any falsehood against Waterford Foundry.

● On the surface then, with the advertisement changed, the matter would appear to be at an end. However, the real point to emerge is a very valid one — what is the minimum output (not "up to") necessary for any kind of central heating unit to heat the average Irish home (and to what mean temperature?

So, it's back to the old problem again of what constitutes **full central heating**? It's always caused difficulty within the industry and while the IDHE and other bodies have tried to establish specific guidelines, it all boils down to "horses for courses" so to speak.

JOTUL AGENT CHANGE

As we went to press we were informed by Norcem (UK) Ltd that Dunwoody & Dobson (Stoves) Ltd, 32 Lombard Street East, Dublin 2, (Tel: 772463) have been appointed agents and importers of Jotul solid fuel stoves in the Republic of Ireland.

WATERFORD FOUNDRY EXPORTS TO JAPAN

Despite the current difference of opinion with a major competitor vis a vis market leadership (see front cover), Waterford Foundry has had a most successful year and a half since the takeover at Easter 1983.

From an initial workforce of 17 in March 1983 there has been a steady increase in the numbers employed which now total 182, former workers in the Suirside foundry which has been an employer of generations of Waterford workers.

Consequently the output, but more especially the quality, has increased dramatically while at the same time all service problems, particularly the backlog taken on with the takeover, have been eliminated.

Meanwhile, on the

export side, cast-iron solid fuel appliances have been despatched to the UK (including Northern Ireland), France, Belgium, Australia, New Zealand, Israel and Turkey.

The Japanese market has recently been opened up with the first shipments of Waterford stoves to Tokyo.

The Stanley cast-iron, solid fuel cooker is the only cast-iron cooker manufactured in Ireland and last year on the Irish market, according to the company, it outsold all other solid fuel cookers combined. Made in Waterford for the past 50 years, second and third generations of Irish housewives now rely on the Stanley for their cooking, water and central heating requirements.

WILO BUYS EURAMO

Euramo and Wilo are now set to put extreme pressure on their competitors in the pump market following the acquisition of a majority shareholding in SEH, the parent company of Euramo, by Wilo-Werke.

Both Euramo and Wilo will continue to operate as before. However, their combined purchasing power will give them as much stronger base to work from while they will also benefit substantially by pooling their resources in research, development and manufacturing techniques.

The two operating companies will retain their individual identities while the separate managements and activities, including distribution arrangements for Ireland, will remain unchanged.

Cliff Summers, Euramo Managing Director in the UK said: "The logic of two major manufacturers joining together for mutual advantage is obvious. This partnership can only assist us in developing even further to the benefit of our present and future customers".

● Continued from front cover.

their workforce to over fifty employees.

Seamus Brennan, Technical Manager of Interheat and who previously worked for a number of years in the heating and energy department of the IIRS as well as on scholarship from the Department of Energy in the United States, outlines the major advantages of the Dia-norm radiator range.

"In an age of high fuel costs, it is becoming increasingly important to every householder that their heating system is the most efficient available. The new profile of the Dia-norm "Diamond" is designed with the current move towards lower water content radiators and hence more efficient systems. The very low water content and high output of this radiator enables a more rapid heat-up of the system to be attained and also results in quicker responses to temperatures changes, with resultant savings in running costs."

Muhr Ltd have recently received BSS Kitemark approval for the full Dia-norm range, a factor that has resulted in ever higher output ratings for the radiator range. This high quality radiator is stove enamelled finished which requires no painting and is guaranteed for five years. There are five heights and 18 different lengths available in the Dia-norm range. But remember, you're getting more heat output per sq m so you will not need as big a radiator as you had thought — and that's an idea everyone will warm to.



● First '84/'85 Energy Management Meeting: Pictured at Jury's Hotel, Dublin for the first meeting of the Eastern Region of the Energy Managers Association for the 1984/'85 season were: Hugh Clyne, IIRS; Tom Reeves, Principal Officer, Department of Energy; Tim Haire, Manager, AFA-Minerve; Robert Murphy, AnCO, Chairman of the session; and Harry Patterson, National Organiser, Energy Management Association. The seminar was opened by the Minister of State at the Department of Energy, Mr Eddie Collins, TD.

GAS CENTRAL HEATING CAMPAIGN

New Dublin Gas has launched a major campaign aimed at giving householders the chance to install gas central heating at a subsidised cost.

This latest campaign follows a summer central heating promotion which yielded more than 1,000 firm orders.

Over the coming months, the current promotion will offer customers...

* Changeover from oil to gas central heating for a special promotion price of

£399, to include a Potterton Kingfisher CF60 boiler, complete installation and all taxes. Normally, this would cost £700-£800.

* Changeover from solid fuel to gas central heating from £499, to include back boiler/gas fire, complete installation and all taxes. The promotion covers a range of six gas fires with the cost being determined by the choice of unit.

In conjunction with the changeover offers, New Dublin Gas is continuing its

promotion of full central heating installations. A special package, which would suit a normal 3-bedroom semi-detached house, offers a 60,000 BTU gas boiler, six radiators, fittings and installation from £1,799.

The full system package includes a choice of 12 months' interest-free finance (or subsidised finance for longer periods) or £320 off any gas cooker.

New Dublin Gas is committed to developing the

market for gas in Dublin over the next decade. To do so, the company is committed to keeping gas prices stable and competitive with alternative fuels.

The special offer prices for changeover and full central heating installations will be heavily promoted over the coming months. The work will be carried out by a panel of independent authorised heating contractors to draft IIR's Gas Industry Standard and will carry full guarantees.

RITE-VENT TAKE OVER PARK

Rite-Vent Ltd, the chimney manufacturers, have acquired the products, trade names, goodwill and rights of Park Sectional Insulation Company Ltd. All Park products will be incorporated under the Rite-Vent group banner using the name Rite-Vent Park Division. Manufacturing will continue at the present

East London site at Forest Gate.

The Park range of products complements well the existing Rite-Vent range, already the largest in Europe. Parkafire is a prefabricated insulated chimney with a refractory liner. The product carried British Board of Agrément Certificate No 84/1259 which is the most

comprehensive issued to date.

In addition, Rite-Vent can now offer a refractory lined pre-cast lightweight concrete block chimney Parkastack. This unique concrete block chimney incorporating a dense refractory concrete liner, complies with Building Regulations and can incorporate offsets.

The Proof is in the Heating!



the remarkable

Thermo-Schwank 2100

A CLEAR WINNER - BY 28%!

They all said it wasn't possible, but now we've done the installations to prove our claim. Thermo-Schwank 2100 industrial heaters really do use 28% less gas in achieving the same effective downward radiation as our Series 2000 models and other comparable radiant heaters.

The Thermo-Schwank 2100 Series more than established its credentials in the 81-82 heating season, and demonstrated that fuel savings can often pay for the installation in under two years - especially when replacing steam or high pressure hot water systems.

If you still don't believe us, you'd better fill in the coupon.

Schwank

Schwank Limited, 62 Sunningdale Road, Sutton, Surrey SM1 2JS. Tel: 01-641 3900 Telex: 929883

the modern concept in radiant heating

Name

Company

Address

Well Planned Use of Heat Reclaim

Walk Air Conditioning have supplied two big Carlyle 30HS080 double-bundle liquid reciprocating chillers to the recently completed complex for Telecom Eireann at Mervue in Galway. Each chiller has a capacity of 230 kW and will provide air conditioning for the complex, most especially where electro-mechanical equipment creates more heat.

As an attractive safeguard against rising fuel costs and the unknown factors presented by the phased start up of the telecommunications centre, these efficient Carlyle machines incorporate a heat reclaim option which could make as much as 290 kW of heat available for reclaim.

When true running costs become available, this will be needed as a complement to the oil-fired boilers and is likely to provide considerable savings in the continued provision of a large capacity heating and air conditioning system.

The new complex consists of a two-storey Telephone Exchange, a seven-storey district office with a plant room at basement level and a five storey area stock department with a two-storey wing which houses workshops and welfare facilities, as well as a single-storey stores depot and a mainly single storey stores wing.

While each building has its own distinct mechanical services installation, the heating, hot water services, and cooling are supplied from a central plant located in the basement of the district offices building where there are the two Carlyle chillers and two oil-fired boilers which can, if required, be adapted to solid fuel, hot water generation and storage facilities.



● City & Guilds of London Institute: Refrigeration Technicians Diploma. Picture shows recent recipients of this award. Graham Smith, Walker Air Conditioning with Pearse Noone, Johnston Controls; Tom Dinnigan, Course Lecturer; Gregory Devitt, Walker Air Conditioning; and Mark Savage, Reconair.

Recovery in Plastics Threatened

Figures published recently by the Plastics Industries Association indicate that strong recovery is underway in the Irish plastics sector overall, following a period of relative stagnation since 1980. Total imports of plastic raw materials and finished goods, for the period January-June 1984,

reached 120,000 tons, representing a volume increase of 10.7% on 1983 levels. On the basis of this trend plastic imports will reach a record 250,000 tons in 1984.

Recovery in the industry is, however, confined to sub-sectors, including health care products, precision mouldings, and

cable products. Manufacturers in other plastic sub-sectors, notably polyethylene film and PVC pipe extrusion, are struggling to hold their share of a low growth market against competition from overseas supplies.

Production costs for companies in these sub-sectors are substantially higher than levels prevailing among their overseas competitors. Critical factors include the high level of electricity charges, here, and additional costs incurred through the operation of the VAT at point of entry scheme for raw materials. The VAT at point of entry scheme places a particular strain on plastic processors as all their raw material requirements must be imported.

The PIA therefore calls for (1) The introduction of more realistic electricity tariff rates for heavy process users; and (2) A reform of the VAT at point of entry scheme in relation to raw material imports.

Sky Crane — Irish Helicopters

The first major industrial lifting operation involving a sky crane in Ireland has been carried out successfully by Irish Helicopters Ltd at the ESB power station in Tarbert, Co Kerry, on the Shannon estuary, for a fraction of the cost of conventional methods.

Designed to tackle heavy-lift jobs for industry under difficult physical and environmental

conditions, the new Irish Helicopters Sky Crane Service was called in by the ESB to lift vital equipment weighing 24 tonnes on to the boiler units on the roof of the power plant, a 500 mw station generating 25% of Ireland's electricity requirements.

But as natural gas became available to other plants in the ESB system, the Tarbert oil-fired

station has had to start up, and shut down with increasing frequency, resulting in greater use of the steam venting facilities and an increase in noise levels in the area.

In order to deal with this problem, the Generation Department of the ESB decided to fit four high-performance silencers, each weighing 5,500 kg., to the steam vent lines so as to reduce noise levels.

To facilitate the operation, the manufacturers, ICI Acoustics Ltd of Hertfordshire, were asked to supply the silencers in sections of not more than two tonnes each, which they did at a modest extra charge. The erectors, Weldall Co Ltd of Baldoyle, Co Dublin, attached guide ropes and slings to each component to be lifted.

The final operation, involving 13 separate lifts, took approximately one hour to complete and went off without a hitch.



● Irish Helicopters Ltd Sky Crane Sikorsky S61 lifting heavy equipment on to the ESB power plant at Tarbert, Co Kerry.

NEW CORPORATE IMAGE FOR SHIRES

At a two day presentation and exhibition of bathroom suites and individual sanitary ware items, Shires Ireland Ltd emphatically demonstrated how the bathroom nowadays has taken its place alongside the most important rooms in the house. Shires showed their new season's collection of bathroom suites, plus accessories and in addition, products from their overseas suppliers were also displayed including Showerlux, Aqualisa, Comisa, Pressalit, W & C Sissons and Derwent Mac Dee.

Certainly visitors to the Westbury Hotel where Shires held their exhibition, could see at a glance everything which would be required in the bathroom of 1985. Complete suites were shown, including Shires latest, Carousel the Prelude and the Opus, which features the Largo bath, with its extra

spacious "double-bathing" area.

Shires Ireland also introduced the exciting, new whirlpool bath. Operated on the principle of physics, the whirlpool uses a series of six or eight jets around the bath, to provide jets of water which are intermingled with air, thus providing the bather with a soothing water massage. A control allows one to adjust the amount of air or increase the strength of the jets, or even turn off fully the unique Whirlpool system and use the bath normally. The Whirlpool is supplied in a choice of gold or chrome plated finish and the jets provide complete body coverage while bathing.

A new toilet seat, the "Naiad", was launched which is designed in a stylish sculptured line, featuring moulded curves. The Naiad is more hygienic and more durable and is supplied in white

plus several attractive colours.

Shires Ireland market and distribute product lines of several international manufacturers. On view were eye-catching displays of the latest items from Aqualisa shower systems, Comisa of Italy who make brassware, Pressalit who manufacture toilet seats, W & G Sissons of Sheffield, renowned for their stainless steel products, Showerlux the market leaders in Europe for shower enclosures and finally Derwent Mac Dee.

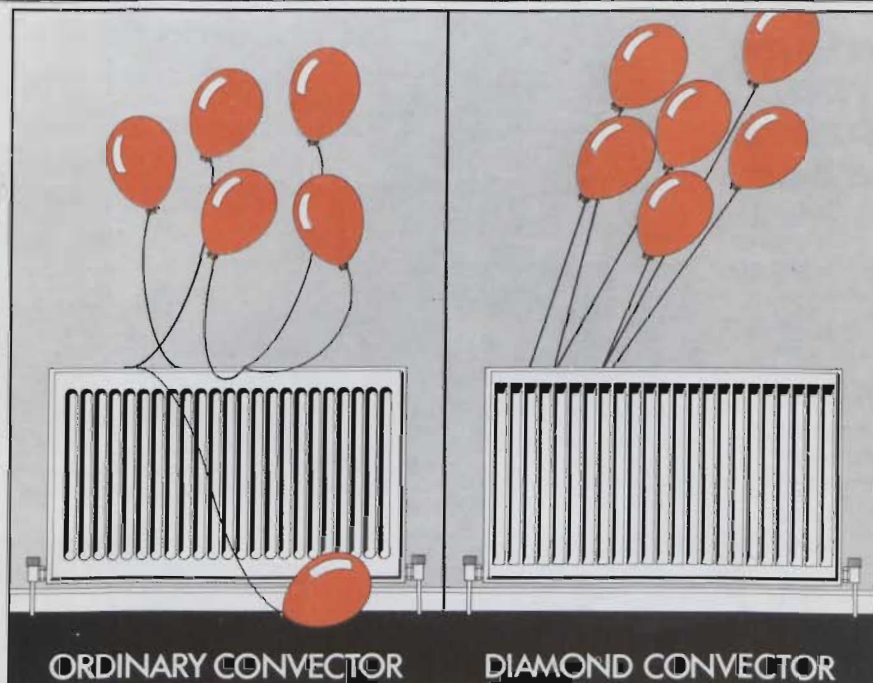
Speaking at the

reception on the opening day Managing Director J Brendan Whooley, said "we are now in a strong position in the marketplace and can provide the largest range of plumbing and bathroom products available from one distributor in Ireland. Shires are delighted to introduce some internationally-proven brands on to the Irish market and we are availing of this 2-day exhibition to launch new products from Shires, in addition to unveiling our new name-style and colourful corporate image".

● Domestic Boiler

Market: This BSRIA profile is an invaluable and comprehensive guide to the UK domestic boiler market, not just for boiler manufacturers, but for everyone involved in the supply of domestic heating systems — contractors, installers, fuel companies,

builders merchants and manufacturers of ancillary equipment. The Domestic Boiler Market Profile costs £90 (or £50 to BSRIA members). Contact: Anne King at BSRIA, Old Bracknell Lane West, Bracknell, Berks RG12 4AH, Tel: (0344) 426511.



**THE DIAMOND CONVECTOR RADIATOR
GIVES MUCH HIGHER HEAT OUTPUTS
THAN ITS NEAREST RIVAL**

AGENTS: **Interheat LTD.**

Unit 63, Cherry Orchard Ind. Estate, Dublin 20

Tel: 269949/269985

Unique features include:

- **Small size — more efficiency**
- **Low water content — high convection**
- **Immediate reaction to temperature changes**



- **Decorative top and side covers available for double radiators**
- **Stove enamelled finish — requires no further painting**
- **5 year guarantee**
- **A quality product from our modern factory in the Donegal Gaeltacht.**

diamond
HIGH OUTPUT CONVECTOR RADIATORS
— EVERY ONE A GEM —

ALSO AVAILABLE FROM: Weir Products Ltd.,
Éarls Island, Galway
Tel: 091-64960

COMPRESSION FITTINGS — NOT ALL GUILTY

Following our "passing off" article in June regarding compression fittings, *H & V News* learned recently that James Murray, Director of Consumer Affairs, has now taken action on the matter.

Having had an inspector purchase a total of 17 compression fittings from two outlets, he subsequently had them tested by the IIRS and found that none of them complied with the requirements of I.S. 239:1980, despite indications which suggested that they did.

Accordingly, he served the outlets in question with a formal notice under Section 9.6(c) of the Consumer Information Act 1978 requiring that they refrain from selling compression fittings as conforming to any Standard to which they do not in fact conform.

Should they not comply with the request Mr Murray has the power under Section 9.6(c) to apply to the High Court for an Order in the matter.

However, while "passing off" is a serious offence, it's unfair that it should result in a general condemnation of all imported compression fittings. Unfortunately, it now appears to be widely accepted that all fittings of Italian origin for instance do not comply with the requirements of I.S. 239:1980.

This has certainly not been proven to be the case in every instance of imported compression fittings.

Next Month *H & V News* will look into the matter further and hopes to talk also to some of the importers who feel that they are being unfairly discriminated against because some unscrupulous suppliers engage in the practice of "passing off".

IDHE DIPLOMA PRESENTATIONS



● Harry Pattison, Hugh Maguire, Frank Bodkin and Christy Kane (all seated) with the "full membership" recipients who have just completed their final year of the old course.



● Bob Couchman and Harry Pattison with "first year" certificate recipients who have just completed stage one of the new course.

At a ceremony in the Engineers Club Clyde Road, Dublin, Hugh Maguire former Chairman of the Institute formally presented the students of the last year with their diplomas.

It was a ceremony of the old and the new as one set of diplomas went to students who completed the final year of the "old" course while the other set went to the "first years" of the new diploma course.

Harry Pattison spoke on the reasons why the new course was introduced and Frank Bodkin, Education Officer also spoke on the subject.

The night was by no means over for Hugh Maguire though. He was obviously taken by surprise with the presentation of a crystal glass bowl from the Institute. It was formally handed over by Bob Couchman in appreciation of Hugh's 50 years service to the heating business. A story that sometime must be told.

STANDARD CONTROL: COMPLETE PACKAGE

Standard Control Systems is establishing itself as a forerunner in the HVAC controls and energy management business.

With controls and control panel contracts currently in Dunnes Stores new shopping centre in Ballina; St Patrick's College Maynooth; Casement Aerodrome Baldonnell and Bord Gais Offices in Cork, Standard Control Systems have made a strong impression on the HVAC industry as specialists on the "control package" side.

Standard Controls also offer a comprehensive maintenance and ongoing technical advice service towards energy efficient operation of heating plant on commercial premises, hospitals, telephone exchanges and factory installations.



● Pictured at the Grundfos reception earlier this month were Bernard Costelloe, Grundfos; Martin Fitzpatrick, Avonmore Creameries; and Paul Brookes, Grundfos.



● Dermot Murphy, General Manager and Peter Hooper, Deputy Chairman, Grundfos (Ireland) at the Burlington recently beside a demonstration model of the new Grundfos solar pumping system.

The country's best range of roof extract units offers a simplified design with either low silhouette or vertical discharge models.

Either axial or centrifugal powered by the incredible Ziehl-Abegg external rotor motor with factory matched and balanced aluminium impellers.

Housings of glass fibre (made in our Dudley factory) in standard oak colour with any British Standard colour at a nominal extra charge. Backed by a full range of ancillaries which includes the largest range of soaker sheets in Europe.

If you want the very best in performance, speed controllable, maintenance free roof units, send for your copy of our comprehensive Roof Units brochure.

Roof Units Group is a BSI registered firm complying with BS5750 the standard of quality control for design, engineering and manufacture of fans.



BS 5750
Registration No. FM 174

roof units group

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Tel: No: Brierley Hill (0384) 74062. Telex: No: 335696 RUNITS G.

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Member Fan Manufacturers Association

PART OF THE BIGGEST RANGE OF VENTILATION IN THE NATION



ULSTER NEWS

Energy Saving in Schools

A party of 20 pupils from West Ulster visited a Scottish oil refinery late last month as a reward for their energy-saving efforts.

The tour was part of a two-day visit to Scotland by pupils from the Western Education & Library Board's area, who last winter helped the Board to save approximately 10% on its schools energy bill. The half-day educational tour of the BP refinery at Grangemouth near Edinburgh was the highlight of the visit.

In the two years since the Board first put its energy-saving scheme into action and asked all schools in its area to participate, over £400,000 has been saved; £163,000 in the first year and £244,000 in the second.

In the first year a total of £29,000 was handed back in the form of bonuses to the schools who performed well; this year the total was £30,000, and cheques ranging from £10 to £1,600 went to individual schools in both primary and secondary sectors, in proportion to the amount of savings they had made.

Thompson Get Tupy

Brian Thompson Ltd of Bangor, County Down, have recently been appointed distributors of Tupy malleable iron pipe fittings.

The Tupy range is marketed in the UK by Regon Clips and Pressings Ltd of Witney who have reported a successful launch of these competitively priced fittings produced to BS standards.

Brian Thompson Ltd can be contacted at 72 Central Avenue, Bangor, County Down, BT20 3AU.

● Mr R Davies of the Saunders Valve Co represented his company at a display of Saunderson's products

organised by their NI distributors Henry R Ayton Ltd, The Butts, Denneaghey, Dunmurry, Belfast.

Institute of Energy Committee

Following their Annual General Meeting held in the Stormont Hotel Belfast, the NI Section of the Institute of Energy announced the following committee for 1984-85. Chairman — G Mason (NI Housing Executive);

Hon Sec — E R McBride (John Kelly Ltd);

Hon Treas — R Stewart (Isherwood & Boyd).

Committee — R Jordan, R Murphy (QUB), C Monaghan (Monaghan & Partners), J Patterson, D Dickson (Dept of Economic Dev), D Patterson (Short Bros), W Swindell (Donaghadee Carpets), P Huggins (Northern Dairies), E Spratt (Heating Controls) and D Raymond (Harland & Wolff).

● Mr Dennis Dunlop, a partner in Ferguson & McIlveen has been elected chairman of the NI Branch of the Institution of Mechanical Engineers.

● Mr George McBratney, Principal of the Belfast College of Technology has been elected Chairman of the NI Branch of the Institution of Mechanical Engineers.

● Burton Allen Chairman of Potter Cowan & Co, Belfast Ltd, had a busy week welcoming principals are representatives of the many firms for which his company acts as

agents, distributors and wholesalers on the occasion of the recent Trade Exhibition which he promoted on his new Denmark Street site.

Customers old and new, visited the site to find that Potter Cowan, had erected in the car parks adjoining their showrooms and stores, three marquees in which there was on display a number of trade stands plus of course ample hospitality.

● Mainmet Ltd, the Bangor based heat measurement and metering company have announced that Mr Malcolm Gilmore, their present metering manager will now be responsible for the marketing of the new products developed by Mainmet.

● Beattie Flanagan & Partners, the Belfast M&E consultants have moved into new offices at 174 Castlereagh Road, Belfast. Their phone number is now 0232-732121.

● Harvey Heating Ltd, the rapidly growing Ballyclare contracting company, have extended their activities with the opening of new premises at 100 Great Patrick Street, Belfast.

● The popular Fred Ridout, Sales Director of Parkray, visited Belfast to launch the new Caprice and Consort room heaters at a two day trade show held at the Drumkeen Hotel, Belfast.

● Philip Johnston, Regional Manager of Thorn EMI Heating presented prizes at the Thorn sponsored IDHE golf outing at Craigavad, Co Down. Prize winners included Mr P Byrne, Mr R Best, Mr W Mills, D Lisk, I Maginnis and E Armstrong.

NEW ERGAS PLANT

Belfast gained a new £2 million energy resource recently when Ergas (NI) opened up an LPC terminal in the Harbour Estate. The new plant in

Airport Road West was officially opened by the Lord Mayor of Belfast, Councillor Alfred Ferguson.

Ergas is part of the international Shell Group and the new resource reinforces the Group's belief in the long-term viability of LPG as

Northern Ireland's alternate fuel. Both domestic "bottled gas" consumers and, more particularly, industry will benefit from the plant, which has an ultimate capacity of 1,200 tonnes. Speaking at the reception which followed the opening, Sam

Chambers, NI manager of Ergas, said that the firm's sales had increased by more than 25% over the past 12 months.

He also made a plea for the Government to give consideration to the LPG industry when the question arises of the compensation /conversion grants

Save them spending pounds where they should be spending pennies

Implementation of the new water bye-laws concerning urinals that are flushed automatically can reduce water wastage dramatically. And, where the supply is metered, installing the correct control valve saves a fortune on water bills too.

The bye-laws refer both to the frequency of flushing and to periods within which no flushing should occur.

So it's good to know that there's one outstandingly effective method of dealing with their requirements: Cistermiser, the only flush-control device awarded the certificate of the British Board of Agrément.

Cistermiser control valves do not merely conform to the stipulations laid down by the bye-laws. They exceed them. For, even within the defined limits, *they operate only in direct proportion to the actual usage of the facilities.* Money won't, literally, be pouring down the drain when the building is empty or being used by just a few people.

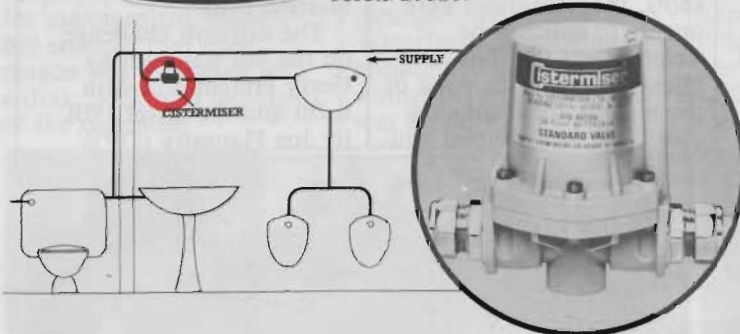
The result is correspondingly greater savings in the cost of metered water supplies. In fact, a single Cistermiser can save up to 100,000 gallons annually, so paying for itself over and over again. Which explains why one famous hotel group is reckoning on a startling £145,000 reduction per year in its metered water charges.

Cistermiser. The least costly yet most rewarding way of putting an end to that wasteful financial outflow.

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Fyffe**

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Telephone: 379291.
Telex: 25325.

KJ Agency,
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Co. Down, N. Ireland.



Cistermiser is:
non-electric, so a plumber
can install it in minutes.
Maintenance free. Approved by
the former National Water Council
and now recommended by Water Authorities.
The only flush-control device awarded
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Board of Agrément.
Approved by the Dublin Corporation.

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MEBSCA Golf Outing

Great Weekend! Great Prizes!

The Mechanical Engineering and Building Services Contractors Association held their fund-raising golfing weekend at Westport to raise supplementary funds for hosting the Annual Conference of The International Union of Mechanical Services Contractors Associations in 1986. The former

truly fantastic with assistance being given from all facets of the Mechanical Services Industry, or perhaps there was an element of escapism.

On Friday evening the President of the MEBSCA, Dick McElligott, officially opened the festivities and welcomed one and all to the weekend of

with the first three-ball off at 10 am.

Larry Maginn (CIF), that magic "Wee Mon" with the concerned look, martialed all of the golfers into organised chaos at the first tee, issuing score cards and golf projectiles which were generously supplied by Lister Tubes Ltd, and came in many dayglow colours to assist

very uncomfortable. The return to the Clubhouse was most welcome and, better still, to receive the great hospitality and refreshments provided for all by Noel Tynan (Ventac Ltd).

At the Golf Club the topic quite naturally was each player's progression around the course with particular reference to the



● Paddy Delaney with Don Spollen.



● John Purcell with John Lavelle both doing the double in both golf competitions.

mouthful is why the association is referred to as the MEBSCA and the latter is referred to as the International union or the GCI. Spare yourself the agony of resolving what GCI stands for or take up some French Language courses.

The weekend became a welcome break from the now regular slog of maintaining a business. Support of the event was

"Wonderland". The Thermpant Gas Ltd reception was a fine opportunity for making new acquaintances and renewing old.

As the Saturday Golf Timesheet had been previously arranged, the golfers were anxious to find out who would be getting the unsocial teeing times but all fears were allayed when the timesheets were posted

recovery. Unfortunately, many of the projectiles are deep in the Westport woods or at the bottom of the Atlantic Ocean, or perhaps deeper in the caddies pockets.

Just as the players were unable to control some shots, the organisers were unable to control the weather and the rain bucketed down for most of the playing time, making conditions very humid and

special prize on offer for nearest the 200 yard 9th "in one" sponsored by Brendan Stack (BSS Ireland Ltd) and also the unusual challenge of nearest the par five 18th in three with the compliments of Richard Holfeld (H R Holfeld Ltd).

The difficult challenge on the 9th was won by Gerry Hutchinson with 6.2m and the novel 18th by Joe Hanratty (OPW



● Fred Cooney with Gerry Croghan of Satchwell.

MEBSCA Golf Outing



● Victor Madigan with Michael Lynch and Vincent Garvey of Masterair Ltd.



ligo) with 2.2m.

Fred Cooney's (Reconair Ltd) champagne reception served as a rallying post to assemble the revellers for the Saturday dinner. It was at this time the "Chemists" concocted their most extraordinary cocktails — Bucks Fizz — Black Velvet etc — what a way to treat your MUMM.

Fred Cooney (Reconair Ltd) was a terrific supporter not only did he spend the morning coaching Brendan Carroll in the practice ground — sponsor the Champagne Reception but then made a one man assault to outbid allcomers at the auction.

Computer timing of the weekend events was undertaken by Noel Mansfield (Trane Ltd) as Eddie McAllister had been subpoenaed to Winconson for management matters but ensured that each person was presented with a desk clock as a memento of the occasion.

Following the dinner the assembly moved to the functions room for the much appreciated reception hosted into the early hours courtesy of Pat Nolan (Masterair Ltd). The first duty of the organisers was to announce the winner of the MEBSCA cup which was the only prize restricted to MEBGSCA members. As would be expected, the competition was very tough and as the holder Paddy Delaney (FKM Engineering) and the Silver Fox — John Lavelle — (T Bourke & Co Ltd) were tied on 39 pts, the result had to be decided on the score from the last three holes of the back nine.

The main prize winning was lavishly sponsored by Sean Hanratty (Scanglo-Myson Ltd) with Waterford Glass being awarded to all prize winners. The clear winner was David Keane (Keane,

Murphy, Duff of course).

Returning a marvellous score of 40 pts and, when considering the adverse playing conditions, was a magic return. The architects almost had a clean sweep of the prizes with Ian Duff, John Sweetman and Nigel Jones playing a supporting role to David's great win. John

Eddie Egan had lots of luck in winning the coloured television. What was not known was he had let it fall when carrying it into the hotel on Thursday. But he assures Jimmy Whan that it survived the drop test, Thanks "Champion Fire".

Lavelle and Michael Curley got the contractors into the frame and also by Tommy Emerson winning the BSS (Ireland) prize for the best score on the par threes, just pipping John "Sanbra Fyffe" Darcy at the last par three.

The winners of the "beginners" category were

Paddy Horgan (Jones Group); Danny McGrory (Brown Boveri Ltd); and Brendan Stack (BSS Ireland Ltd), all playing off a temporary handicap? and returning a score comparatively better than a large number of the club golfers.

The prize-giving was followed by a sponsored raffle with fantastic prizes on offer. The first ticket drawn was for a trip to London for two, which included tickets for the Frank Sinatra Concert and was won by Michael Buckley (Walker Airconditioning) and was presented by the sponsor, Declan O'Donnell (P J Matthews & Co Ltd). The second prize, sponsored by Jimmy Whan (Champion Fire Defence), was won by Eddie Egan who almost had two broken televisions in the one week. Ted Bourke bought enough tickets to buy a prize and deservedly won the Stereo



● Tommy Emerson with Gordon McCabe and Michael Hannon.



● Eamonn McGratten with Matt Gallagher, sponsor of the Frank Sinatra package.

MEBSCA Golf Outing

Our own Michael O'Doherty relaxed by the revelry, undertook to open the do-it yourself sing along and Fell-In-The-Troops to march to strains of "O'Donnell ABU" accompanied by Michael on the Harmonica.

Music Centre sponsored by Alan Collins (H Collins Ltd).

The highlight of the weekend was the auction conducted by the ringmaster Padraic Clonan, assisted by his able porters Larry Maginn and Eddie Egan. The items to be auctioned were all donated by suppliers to the trade, who deserve the greatest gratitude.

Padraic (Christies) Clonan displayed a remarkable ability to persuade those present to part with large sums of money for equipment for which no contracts have been awarded to date. L Lynch & Co Ltd are awaiting details of a six inch contract, to make use of their Crane equipment. The oil companies now have their scouts out to discover the locations of the oil burning equipment donated by Bobby Burke (Precision Heating Equipment Ltd) and Michael Smyles (Quadrant Engineers Ltd) which were

Frank Lawlor (C J Ryder Lawlor) did not appreciate the good wishes of the President (Dick McElligott) on the first tee. "Dick, encouragement is not helpful on the backswing". — "What was that reply, Frank".

purchased by MEBSCA President Dick McElligott and Fred Cooney (Reconair Ltd). We wonder if Bobby Burke will commission his unit at Dick McElligott's house warming.

Hi-tech equipment was also available and had been generously donated by Satchwell Control Sytems Ltd. The computerised programmer was snapped up by Eamon McGrattan. McGrattan & Kenney telephone is now

manned 24 hours a day waiting inquiries from energy conscious consultants. Michael O'Doherty please take note! Joe Noone (Service Merchants) also contributed to the energy environmental element with insulation, cooker hoods and towel rails, the willing bids were made by all the Sean's — English, Lawlor and Moran.

After a brief intermission for refreshments, Padraic further disposed of a condomon of domestic

A word of congratulations to Michael Morrissey (Irish Industrial Gases Ltd) despite the very uncomfortable conditions only dropped three shots over eighteen holes. Tremendous round Michael, Well Done.

energy conservation equipment donated by Sean Duignan of C & F Ltd. Pump Services Ltd have assured us that they will be servicing Seamus Homan's "Water Nymph". Sean Moran of H A O'Neills is supporting the "National Plan" by import substitution, he has a Wilo pump in stock with the compliments of Tony Cusack of Wilo Ltd. John Hoey (Thermpant Gas) cleared the air with his successful bid for GEC's Xpelair fan, kindly donated by Willie Browne.

The dawn came very late for the late-night casualties but those inspired by the magnificence of the course, or the marvellous prizes on offer from John Darcy (Sanbra Fyffe Ltd), burnt a trail to the golf club. The course was bathed in glorious sunshine which made the early morning effort worthwhile, play being over the scenic back nine in a nine hole competition.

The casualties used their free time to catch up on the rest of the world's events by availing once again of Ray Elliotts (R R Elliott Eng Ltd) Newstand which provided all of the



● Oliver Reddy with Sean Moran.

newspapers for the weekend. Thanks again Ray.

As part of the fund-raising golf holes were sponsored by individual companies who deserve to be congratulated for their fine support. They were as follows: Heating Distributors Ltd; Temperature Control Services Ltd; Coolair Limited; Irish Building Services Ltd; Coppercraft Ltd; Finheat Limited; Redbro Ltd; J J Sampson & Son Ltd; BSS (Ireland) Ltd; Dan Chambers Ltd; Runtalrad Ltd; Irish

Industrial Gases Limited; City Building Supplies Ltd; Europumps Ltd; Hevac Ltd; SMC Air Conditioning; Morris Insulations Ltd; H R Holfeld (Hydraulics) Ltd; Ventac & Co Ltd.

Finally, congratulations are due to Westport Ryan Hotel for the manner in which all were received and catered for, and here mention must be made of the excellent wines to wash it all down donated by Michael Murphy (Brown Boveri Ltd) and Sean Carroll (Glowtherm Ltd).

SULTS • RESULTS • RESU

MEBSCA Cup

Winner — Paddy Delaney (18) 39 pts

Scanglo/Myson 18 Hole Competition

Winner — David Keane (12) Portmarnock 40 pts

First Class One — Michael Morrissey (6) 39 pts
Second — Michael Curley (12) 36 pts

Third — Gerry Hutchinson (8) 35 pts

First Class Two — John Lavelle (13) 39 pts
Second — Ian Duff (15) 37 pts

Third — John Purcell (15) 35 pts

First Class Three — Gordon Hempenstall (18) 36 pts
Second — John English (18) 36 pts
Third — John Sweetman (18) 34 pts

Back Nine — Nigil Jones (15) 18 pts

Front Nine — Victor Madigan (21) 19 pts

BSS (Ireland) Ltd Golf Prize

Par Threes — Tommy Emerson 10 pts
Nearest the Ninth — Gerry Hutchinson 6.2 metres

H R Holfeld Prize

Nearest the Eighteenth in Three: Joe Hanratty — 2.2 metres

Sanbra Fyffe 9-Hole Competition

Winner — Victor Madigan; Second — Liam Stenson; Third — John Lavelle; Fourth — Frank Somers; Fifth — John Purcell.

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Irish Instantor is the only Irish made range and complies fully with the Irish Standard Specification for Compression Couplings, issued by the Institute for Industrial Research & Standards I.S. 239:1980. It is also the only range licensed to use the Irish Standard mark. Proof that Irish Instantor are setting the standards – and keeping them high – against increasing competition from overseas. Competition that will inevitably threaten Irish jobs.

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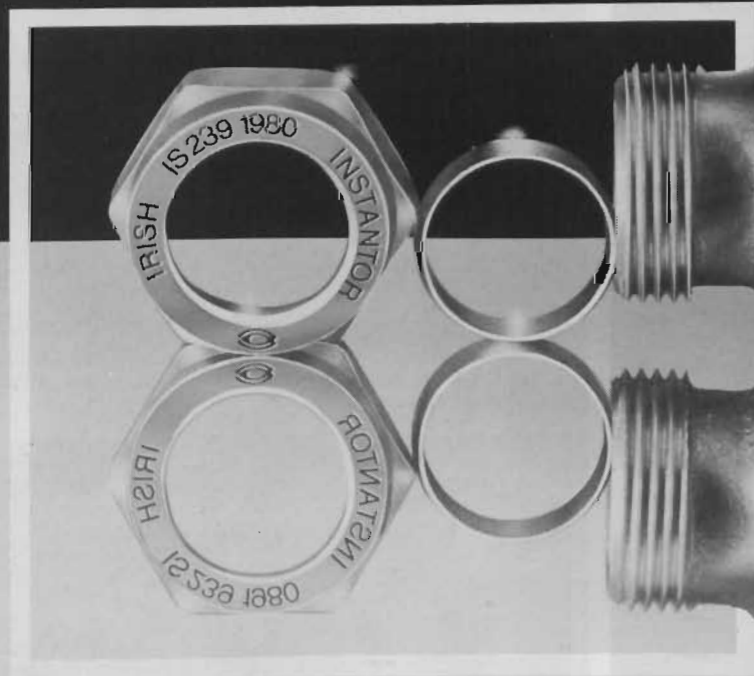
It makes plumb good sense to choose Irish Instantor – every time.

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NEW SCIBSNEW SCIBS CIBSNEW SCIBSNEW NEW SCIBSNEW SCIBS CIBSNEW SCIBSNEW NEW SCIBSNEW SCIBS

Ladies Night was celebrated this year by a visit to the plus John Player Theatre for the Irish premiere of "Chicago". This brash sophisticated Broadway musical by John Kander and Fred Ebb, was thoroughly enjoyed by a capacity audience of three hundred people. Each lady received a carnation on arrival.

The show was preceded by a wine reception to get everybody into the right spirit. CIBS would like to thank the sponsors, Runtalrad and Walker Air Conditioning, and to wish Take 4 Productions every success with their excellent

show which the critics have already acclaimed.

Regional liaison meeting:

The Republic of Ireland branch had the honour of holding the first of the year's series of regional conferences at Trinity College on Saturday, 15 October.

Eoin Kenny is now Junior Vice-President and it was most opportune for him to commence his term of office on home ground. Delegates from England, Scotland, Wales and Northern Ireland attended.

A reception was hosted by our Junior Vice-President following the day's proceedings.



● Andrew Ramsey, CIBS Sec Elect, with Michael McDonagh and Alec Jordan (Yorkshire).



● Delegates who attended the regional liaison meeting in Trinity.



● "Chicago" — Ladies Night: John Cuthbert with Michael McDonagh.



● Ian Crighton, Bristol, with Don Byrne, Helena Byrne, Tony Knott and Michael Moloney.



● "Chicago" — Ladies Night: Eoin Kenny with Mervyn Reid.



● Eric Wetton, North West Region with Barbara Cuthbert, John Cuthbert, Alec Jordan, Robert Stirland, West Midlands and Len Adams, Merseyside.



● Michael Buckley with Eric Wetton, Richard Steward and Howard Street, Hong Kong.



● Mrs David Chinery, East Anglia, with Eamon O'Brien and Anne Gibbins, London.



● "Chicago" — Ladies Night: Noel Traynor with Gerry Ross.



● "Chicago" Ladies Night: Jean Moloney, Eleanor and Orla Regan, without whom the coffee and beautiful salads of the evening would have been so much less enjoyable.



● Margaret Halstead, Lighting Division Chairman, CIBS, with Gerry Palmer and Marie Knott.

Forthcoming Events

Thursday 25 October — Salthill Hotel, Galway, 6.30 pm - 8.30 pm — Technical Evening — Heat Pumps Research: Dr. Tom O'Connor/Joe Martin, University College Galway;
 Tuam Swimming Pool — John Crotty, Galway Co;
 Industrial Applications — Tony Carroll, IESB;
 Commercial Applications — Robert Jacob, Robert Jacob & Partners.

Friday 9 November — Law Society Building Dublin.
 Guest Speaker: P J Moriarty, Chief Executive, Electricity Supply Board.

Thursday 22 November — Engineers Club, Dublin.
 Technical Evening — Clean Rooms.

GAS IRELAND REVIEW



POTENTIAL REALISED AT GAS IRELAND '84

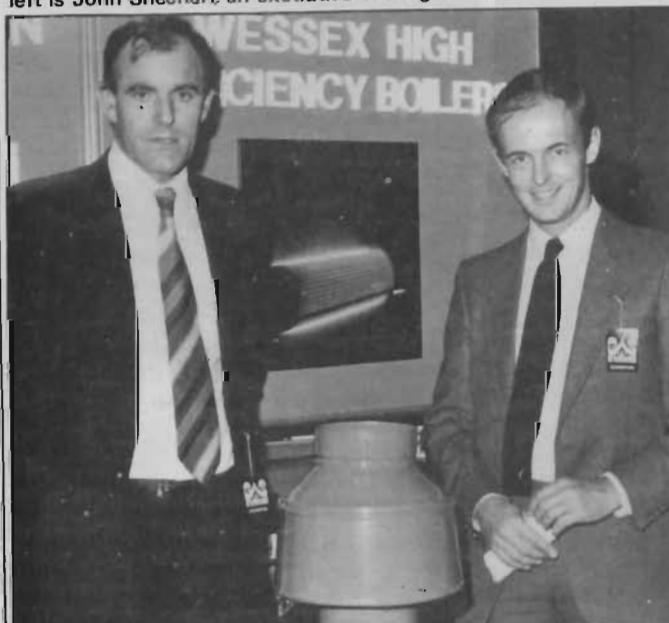
While an atmosphere of uncertainty still prevailed prior to the recent Gas Ireland '84 exhibition at the Burlington Hotel in Dublin, the good news is that this was well and truly dispelled as a result of the show. Exhibitors from the distributing sector were fully primed for a major breakthrough offensive and the timing of Gas Ireland provided the much-needed opportunity to finally test the market potential. As it turned out virtually no one was disappointed. Trade visitors came in their hundreds but, what is more important, they were of the required calibre. Ninety per cent of them were decision-makers with both the will and authority to make purchasing arrangements. Hence the very high percentage of orders placed throughout the two-day event and indeed the subsequent high percentage of enquiries which turned into positive leads. The format of the exhibition was ideal in that it created a very conducive atmosphere to the business in hand. However, it is the exhibitors themselves who deserve most credit. It was their optimism and positive approach which resulted in so many sales being concluded and the full potential of this important market sector being fully identified and realised. The indication for the coming season point to a very healthy and buoyant situation. Those who participated in Gas Ireland now have a head start and fully deserve every success for the initiative they demonstrated throughout the two days of the show.



● FLOGAS: The Tanaiste and Minister for Energy, Dick Spring, TD, examining the Serck total energy unit on the Flogas stand. On the left is John Sheehan, an executive of Flogas Ltd.



● PRECISION HEATING: Laim O'hAlmhain, New Dublin Gas with Willie Thompson, Precision Heating.

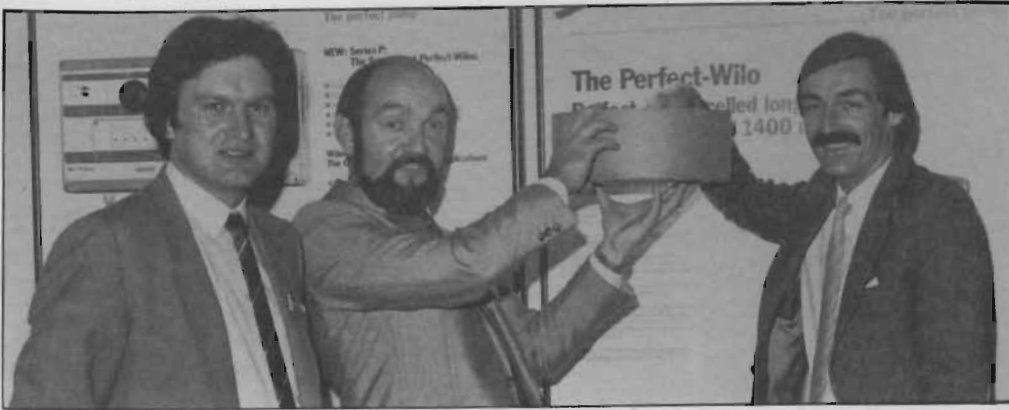


● HAMWORTHY: George Parrott and Colin Thomas, both of Hamworthy Engineering.



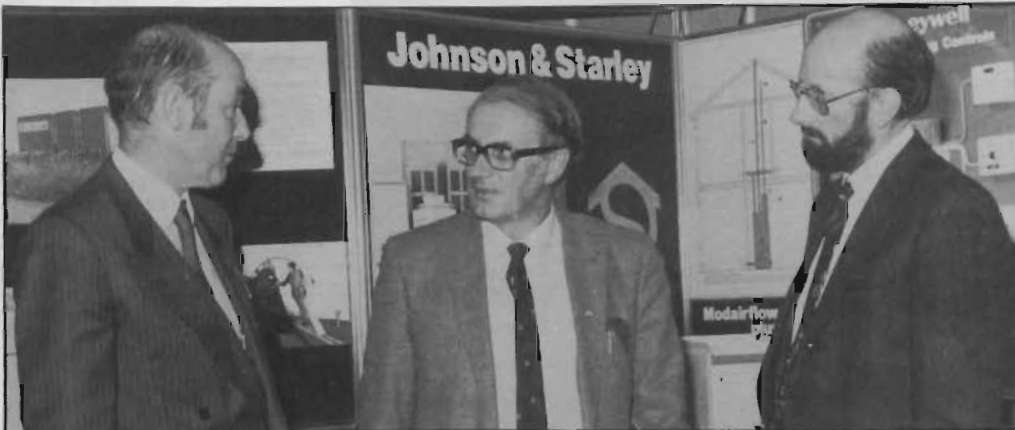
● GASTECH: Martin Derby, Gastech with Fintan Doyle, New Dublin Gas.

GAS IRELAND REVIEW



● **WILO PUMPS:** Owen Culhane and Tony Cusack, Wilo Pumps, assisting Joe Warren, Advertisement Manager, Irish H&V News, draw the winning ticket in the Wilo draw. As visitors came onto the Wilo stand they filled out an enquiry card from which their names were taken and placed in the bin.

● **WAVIN:** John Rice, Wexford Gas with Leo Tolin, Wavin; Denis Wright, Newry Gas; and Larry Carr, National Sales Director, Wavin.



● **C&F:** John Duignan, C&F with Tony Crowley and John Wills, Dart Building Services, Riverstick, Co Cork.



● **NEW DUBLIN GAS:** David Crawford and John Fagan, enjoying one of the few quieter moments on their stand.



● **BROOKS THOMAS:** Tony Murphy and Eddie Wheeler, both of Brooks Thomas, who were very pleased with the reaction to the Baxi Heating range.

GAS IRELAND REVIEW



● P J MATTHEWS: Barry Mynett, Kay & Co (Engineers) Ltd with Robert E L Kirkham and Arthur Fee, Kay & Co (Engineers) Ltd.



● ANDERSON & MARTIN: John L Goor, Managing Director and Peter Byrne, Janbacher Werke, AG; with Jim Gibney, NET.



● HOTWORK: Pat Curran, Hotwork with Chris Davies and Albert Eakins, both of the IIRS.

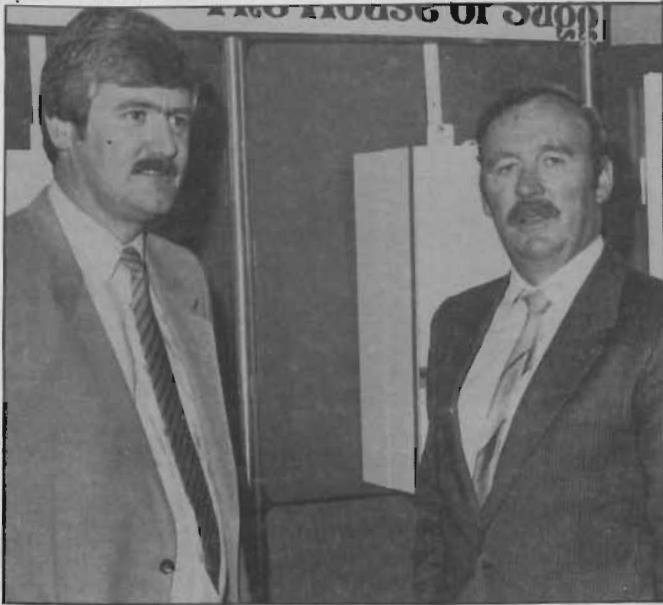


● ENSAV ENERGY CONSERVATION: General Manager Dennis Stevenson with Director Liam Stenson, both of Ensav Energy Conservation (Ireland) Ltd.



● MULTIHEAT PRODUCTS: Norbert Smith, Dublin with Deryk Morris, Multiheat and Edward Cahill, Calheat.

GAS IRELAND REVIEW



● **TANEY DISTRIBUTORS:** Andy Kavanagh and Pat Gaffney, both of Taney, who reported an excellent response to their exhibits.



● **MANOTHERM:** Robert Gilbert and Brian Harris, both of Manotherm.

● **THERMPLANT GAS:** Ray Illingworth, Hepworth Refractories with Mike Gill, Orseal Valves; Ted Churchett, Kromschroder; Neil Watson, Eclipse and Frank Cahill, Thermplant.



● **JAMES GLEESON:** Sean Doyle, Storage Tanks of Ireland with Eamonn Brown, P J O'Reilly; Jack Gleeson and Leo Weir.

● **PIONEER RADIANT:** Stephen Gallagher and Jack Kearns, Vanlev International Ltd with John Sullivan, Pioneer Radiant.



GAS IRELAND REVIEW



● **K B COMBUSTION:** Robert Jacob, Robert Jacob & Partners with Mike Dunphy; Ken Birney, K B Combustion; and Noel Meketerian, Gallaghers, Tallaght, Co Dublin.

● **BARTOL PLASTICS:** Owen O'Brien, Irish agent for Bartol with Brendan Pluck, Paramount Heating Services and Bill Penrice, Designed Heating.



● **COMBEX:** Gordon McCabe and Michael Hannon, Combex Engineering, with Thierry Zoschke, De Dietrich.



● **BGE:** Willie Roche and Breda Duane, both of Bord Gais, with that piece of stone which appeared to attract the most attention.



● **UNIDARE:** Neville Maguire and Dan O'Connell, both of Unidare.

GAS IRELAND REVIEW



● SAAKE: George Bridcott with John Doyle, Saake.



● HEVAC: Tom Burke, T Burke & Co, Templeogue, Dublin; with Michael Wild, Nu-Way Heating; and Tom Scott, Hevac.



● HEATEQUIP: Albert Eakins, IIRS with Kevin Shanahan, Heatequip; Frederick Everiss, Wednesbury Tube; and Fergus Lynch, Dublin Corporation, Mechanical Division.

● QUADRANT ENGINEERS: Sean Crowley and Michael Smyles, Quadrant, with Brendan O'Regan, Dublin and Joe O'Regan, Cork.



● HENRY R AYTON: Sam Mitchell, Henry R Ayton with Derek Allen, B&E Boilers and Ian Finnigan, Henry R Ayton.

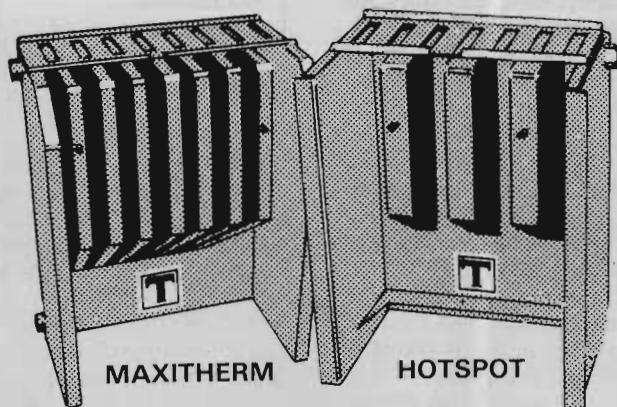
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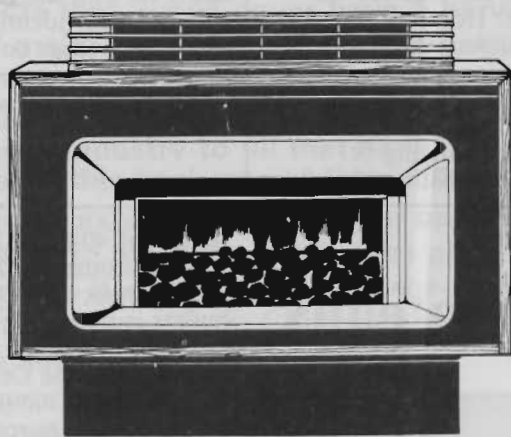


- * Today's most modern boiler.
- * No hidden back flues.
- * Can be cleaned completely from the front using scraper provided.
- * Top damper slides sideways.
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- * All standard fires will fit.
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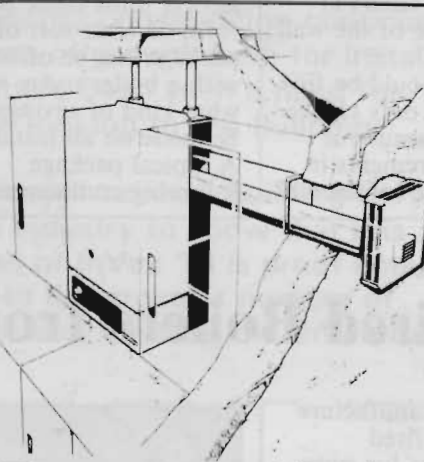
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The Glow-worm Royale.

The 'live fuel effect' gives the warmth and comfort of a coal fire with none of the mess. Behind that glamorous exterior is a highly efficient back boiler that fits neatly into the fireplace.

The complete range of Glow-worm Back Boilers, Free Standing Boilers and Wall Hung Boilers, are available from



The Glow-worm Fuelsaver F

The new fanned-flue Fuelsaver boilers can be installed virtually anywhere. If all this sounds like the last word in flexibility. It is. No more siting problems in terraced houses, small modern houses and highrise flats.

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PRODUCT REVIEW: DOMESTIC BOILERS & BURNERS

reducing the overall efficiency.

The new Flexiflame 140 low water content open flued gas boiler is the only wall mounted model available with an output ranging from 70,000 Btu/h (20.5kW) to 140,000 Btu/h (41kW) on the market today. This capacity is sufficient for the largest possible domestic application and can also be used for small commercial premises such as guest houses and restaurants.

Details from Taney Distributors Ltd, Unit 4, Riversdale Industrial Estate, Bluebell Avenue, Dublin 12, (Tel: 508120/520436); Telex: 24147.

Space Saver System from C&F

For the domestic boiler market Glow-worm, the Derbyshire manufacturer, has models which are particularly suited in the Space Saver and Fuelsaver boilers.

The Space Saver range offers a wide selection of five ratings from the 30B Mk II with heat output from 20-30,000 Btu/h, to the 40 B Mk II at 30-40,000 and the 50B Mk II rated at 40-50,000 Btu/h. The larger boilers are the 60B with outputs at 45-60,000 and the top of the Space Saver range is the 80B Mk II with ratings of 65-80,000 Btu/h. It should be remembered that balanced flue boilers must be installed on a suitable outside wall.

The new range of Space Saver wall-hung boilers are proving to be even more reliable and popular than its predecessor. The Space Saver Mk II offers both technical and aesthetic improvements.

It's clean, attractive styling is perfect for today's modern kitchens

and it will fit almost flush with adjacent cupboards. A re-designed heat exchanger ensures a smoother, quieter and more efficient operation.

As an optional extra, the Space Saver Mk II also has a built-in programmer.

C & F also stock the Glow-worm conventional flue boiler rated at 75,000 Btu/h.

Replacing the successful original Fuelsaver wall hung boiler is the new Fluesaver Mk II which is now available from C & F. This boiler is 80% efficient, at both its high and low outputs. It has a stylish new casing and has the same dimensions as standard kitchen units (600mm x 300mm).

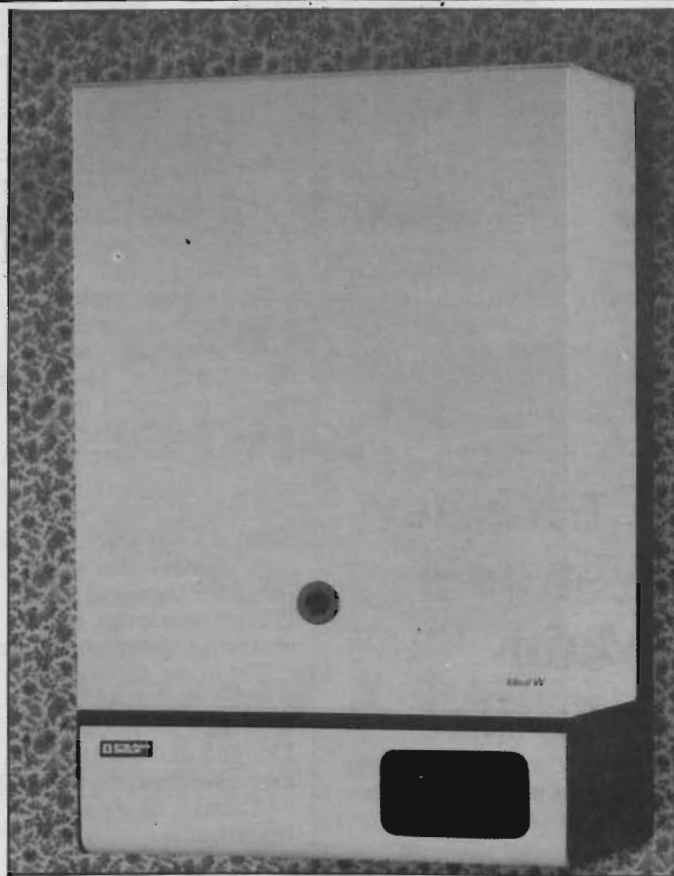
The Glow-worm boiler has a flue terminal which can be fitted from inside the building, which is perfect for installations in high-rise apartments. It has a minimum head of 8".

As the new Fuelsaver Mk II offers such high efficiency and compact convenient design and styling, it should prove very acceptable to end-users in the domestic central heating market.

Further technical information and literature on the current Space Saver and Fuelsaver Mk II gas fired boilers can be obtained from C & F Ltd, Chapelizod Industrial Estate, Dublin 20, (Tel: 264650/268667).

Ideal Offers Wide Choice

P J Matthews & Co Ltd are offering the full range of Ideal gas fired boilers. The range covers both towns and natural gas models with balanced and conventional flues.



● Ideal W boilers are designed for installation in the simplest... most economical heating systems. There are no complex system design requirements. Details from P J Matthews.

The towns gas range comprises the Ideal W wall hung balanced flue boiler with an output of 40/50,00 Btu. The E-type with four outputs 40/50, 50/60, 60/80 and 80/100 in both balanced and conventional flue. All these boilers are convertible to Natural Gas.

The natural gas range is wider still and consists of the Elan available balanced and conventional flue from 20,000 Btu to 60,000 Btu. This wall hung boiler has a fabricated heat exchanger and is light and easy to install. The Ideal W wall hung boiler has a cast iron heat exchanger and is available in outputs of 20/30 up to 45/60 in balanced and conventional flue. The Ideal Mexico Super is the largest selling floor standing boiler in the UK.

There are seven balanced flue models and seven conventional flue models beginning with 30/40 up to a 125,000 Btu output. The boilers come with four tappings which is useful when replacing an existing boiler. In addition to the Mexico Super Ideal

recently introduced a Slimline version in two outputs 30/40 and 40/55. This boiler is only 10" wide and is suitable for use in a small kitchen where space is at a premium.

Ideal also have a fire "back boiler" range which consists of two back boilers with outputs of 25/40 and 35/50 which can be used with any of five different fire fronts. The fire fronts give outputs of 11/12,000 Btu and can operate independently of the back boiler part. These boilers can be used to replace an existing solid fuel back boiler and will give much better outputs to the water.

The Ideal Savanna balanced flue room heater with an output of 6,500 Btu is a cheap option for anyone considering gas heating for apartments or small houses. This heater only requires a 10mm gas supply. There are no electrical connections but it must be fitted on an external wall. It does not create any draughts because it draws its

PRODUCT REVIEW: DOMESTIC BOILERS & BURNERS

combustion air from the outside. It has two settings, high and low.

P J Matthews & Co Ltd are located in Baggot Street and Santry in Dublin and also in Limerick and Waterford. Alan Murtagh in Baggot Street and Joe Cadwell in Santry will be pleased to deal with any enquiry you may have. Tel: 789055/764445 for details.

Efficiency Myson's Main Feature

Myson Domestic Products produces a comprehensive range of oil and gas boilers.

The 1980's have seen the growth in popularity of lightweight, wall-mounted gas boilers. These appliances show a movement away from the use of the traditional cast iron heat exchangers, towards ones fabricated from copper with a final tinning process.

Myson Combustion Products has spent many years in the research and development of a boiler that would produce a high efficiency at all levels of load. The result is the Economist range of

wall-mounted gas boilers, which are believed to have the highest part load efficiency of any boiler on the market. The three range rated models, the WM25/40 BF, WM40/55 BF and the WM55/70 BF, give outputs from 25,000 to 70,000 Btu/h.

The company also produces a range of pressure jet oil boilers named Velaire. The Velaire range consists of three model sizes — the rated 40/50, 50/70 and 70/90 — which are all available with low level flues as well as conventional flues. These three model sizes will all fit under standard height kitchen worktops to maximise space utilisation.

There are three other sizes in the range — 90/110, 110/135 and 135/185 and each size is available in three models — Deluxe, Standard and Boilerhouse.

Details from Myson Ireland Ltd, Newcastlewest, Co Limerick, (Tel: 509075); Telex: 24218.

Efficient Schwank

Schwank Ltd, the originators of the ceramic burner plate for gas-fired infra-red heaters, are launching their highly-acclaimed Thermo-Schwank 2100

range in Ireland.

The new range of four models is 28% more fuel efficient than other ceramic or radiant-tube type heaters on the market, in achieving effective downward radiation.

Gas-fired radiant heaters are now accepted as the most economical system for heating many medium to large commercial or industrial buildings. The well-established principle of radiant heating — heating people not air which merely rises to the roof — has become increasingly popular with the growing economic and ecological demands to conserve energy.

The Schwank 2000 Series, introduced in 1978 is still among the most technically advanced product on the market today by virtue of the specially serrated ceramic plate which gives even greater efficiency than previously obtained. These heaters have now been re-designed in just two aspects; the result is the 2100 series and even greater efficiency.

The Thermo-Schwank 2100 Series offers the same downward radiant output as its predecessor, but with a 28% saving in gas consumption, without any detrimental effect on the comfort levels in the building.

As a further aid to effective energy management, Schwank have incorporated an optional variation in the Thermo-Schwank series. The Pressure Drop Model is governed by a thermostatically-controlled valve. If the ambient temperature in the building reaches a certain predetermined level, the gas input will be reduced by 50%. Thus the full length of the heater will be used to supply half the previous level of radiant heat. This flexibility is not currently available with any other radiant heater of any type.

Details from Hotwork Ire Ltd, 61 Thomas Street, Dublin 4, (Tel: 754433).

Vaillant Sets High Standard

The Vaillant VCW-W Combi range of combination gas boilers for central heating and instantaneous domestic hot water sets advanced standards of running efficiencies and installation convenience.

The principle of combining central heating with instantaneous d.h.w. generation is well established by Vaillant on the Continent, and is becoming widely accepted in this country by progressive installers. But the Combi is also a total "package" incorporating as it does circulating pump, expansion vessel, electronic control system and safety devices.

This installation is greatly simplified and shows clear time savings compared with the additional connection of the conventional heating system components. Because of its lightweight copper-finned heat exchanger, operating efficiencies are also better than for the traditional system, both at the appliance itself, and also by avoiding the standing losses inevitably involved with the domestic hot water cylinder.

Being wall-mounted, these appliances do not require any floor space, and can be installed in any convenient location — for instance, the kitchen, utility room, on the landing, or cellar.

Vaillant Combi boilers are supplied in three sizes: with conventional flue at 81,900 and 93,900 Btu/hr (24 to 27.5kW) rated output, and a balanced flue version of 66,500 Btu/hr (19.5kW).

Further details are available from Gastech Ltd, Baldoyle Industrial Estate, Baldoyle, Dublin 13, (Tel: 391138/391551).

CLEANING UP THE MARKET

The Maxitherm back boiler with its unique straight flue design (6 and 7 fin models) is a household name because people are fed up trying to clean other boilers. Now the Maxitherm has a brother called the Hotspot which, from its introduction at the beginning of the year, has become very popular. The Hotspot has three straight fins, although not

larger Maxitherm. Still, it has proved very popular because of its lower prices.

Both boilers can be used very efficiently without the front plate giving access to cleaning at any time, even when the fire is on. Recent tests show that the heat transfer surfaces of the boiler stay much cleaner when the plate is removed.

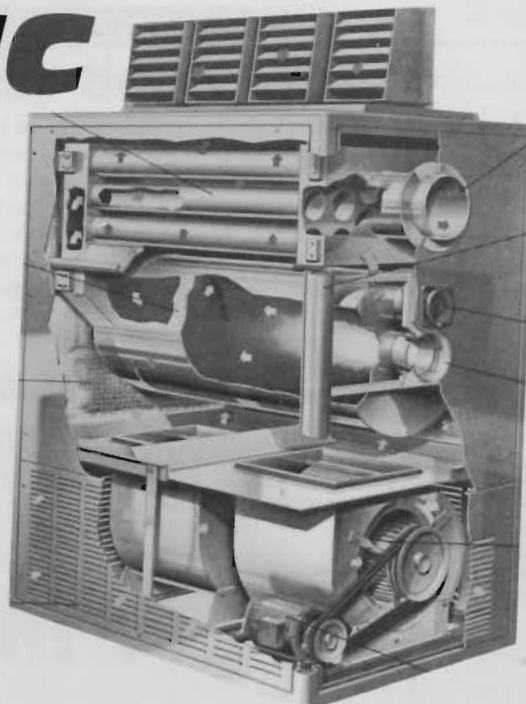
Details from SME Sales Ltd, Ballymote, Co Sligo, (Tel: 071-83026).

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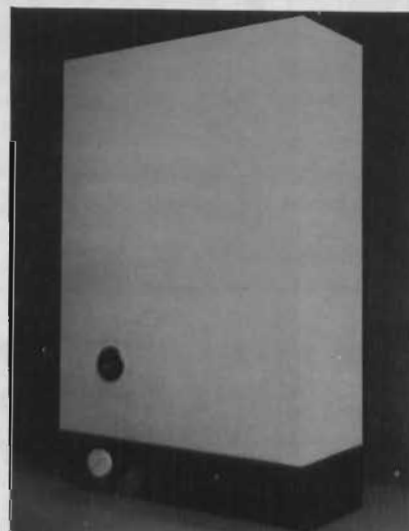
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PRODUCT REVIEW: DOMESTIC BOILERS & BURNERS

New Halstead Units from Multiheat

Multiheat Products recently introduced their new range of gas boilers. The Halstead 40H and the 50H wall-hung balanced flue domestic central heating boilers which are available for natural gas and LPG.

Manufactured by Halstead Heating and Engineering Ltd, in Essex, England, these units are based on the world famous Maxol unit and are approved by British Gas, Dublin Gas and the LPG companies.

Simple and clean in design, these units are easy to install and service and are very competitively priced.

Further details from Multiheat Products Ltd, 179 James's Street, Dublin 8, (Tel: 712976/714641).

Unidare Inset Solid Fuel Heater

Unidare plc, Finglas, Dublin 11, have just announced the addition to their range of a new inset solid fuel heater — Uniglow.

The Uniglow is the successful result of much research and design work within the Unidare Group. Now being manufactured at Unidare Works, Finglas, and bearing the Guaranteed Irish symbol, it has an output of 47,000 Btu/h, and will provide central heating and an abundance of hot water for kitchen and bathroom use.

Among the notable features of the Uniglow is the single piece, curved glass front with a most pleasing wood surround which gives a panoramic view of the fire and

G P Burners Ltd have introduced a new range to complement their existing Gordon-Piatt burners. The new burners, known as the "Uniflame" range, are available in the 20-4000Kw rating in all fuels including both light and heavy oils.

Dual fuel burners start as low as 35Kw and using their extensive experience, all models have separate oil pump motors, ie the pump is not driven by a coupling from the fan motor which gives approximately 15% saving in energy consumption when firing on gas and also means the pump cannot run unprimed or seize up.

The pump unit is mounted on the burner and is fully piped and wired making a very compact unit right down to the lowest range.

Burners for specialist applications are also available including waste oil burners in the 90-200Kws rating.

G P Burners have also introduced a solid state version of their sequential pressure proving system for

use on gas burners. This system checks the tight closure of two gas valves both on start up shut down and as the existing line pressure is used there is no expensive nitrogen to use and store.

G P Burners Ltd are currently holding discussions with a number of potential Irish

distributors but, since no final arrangements have been concluded, they are also interested in hearing from others wishing to represent them here. For details contact Diana B Harding, Commercial Manager, 3 EPH Industrial Estate, Faraday Road, Dorcan, Swindon, Wiltshire SN3 5HQ.



● (Left) Myson Veliare standard oil boiler; (Right) Myson Veliare deluxe oil boiler.

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ANOTHER SIDE OF... ...FO E312 REHTOMA

**IAN
ROBINSON**

As an introduction to a previous "Other Side Of..." I once referred to someone as being up in the air; he was a pilot of course. Well, Ian Robinson of IES Belfast, is often *on* the air as a licenced amateur radio operator.

But first a little about IES Industrial — a company founded in 1968 and now part of the Kelly Group. IES is one of those few companies in Ireland which can, and indeed has, on many occasions handled large turnkey projects. These have ranged from heavy industrial applications to specialists instrumentation many large energy — and environmental-related contracts. The company has the capability to advise on projects and then proceed through to the supply and installation, with back up after sales service.

Ian's hobby — he's a "ham" radio operator — has carried over somewhat into the business. With communications between staff on the road and base a priority to ensure an efficient and smooth business operation, this is hardly surprising. But this is by no means the extent of Ian's interest in radio as he is licenced to broadcast on VHF and HF. This he received approval for after sitting a City & Guilds examination and also passing the Post Office test on morse.

Apart from a small mobile which is installed in his car exclusively for his hobby (business contact is through the Air Call system). Ian has both a VHF and HF transmitter at his home where he spends many an enjoyable hour talking to people from all over the world. He is regularly in contact with similar enthusiasts from Australia, Kenya, St Helens, Brazilia city and Russia. Indeed he



frequently talks to "famous" operators like King Hussain of Jordan

who is one of the best-known amateur radio operators in the world.

However, there are certain restrictions governing amateur radio operators who cannot use the radio for business purposes or third party messages. Every operator has to fill out a log of his calls with details of who he spoke to and on what frequency.

According to Ian, many messages of disasters or accidents have been picked up by amateur radio operators and passed on to the proper authorities, thus saving many lives which may have otherwise been lost. Other activities operators engage in is helping out with communications at major events, the Belfast City Marathon being a case in point.

But for Ian, the real joy is making contact with other operators, especially those in other countries and of foreign nationality. Radio "hams" have the world at their fingertips though it can often be a very time-consuming business. But, as an enthusiast was heard to remark: "Where there's a will... there's an airwave."

GI4MWZ

IAN S. ROBINSON



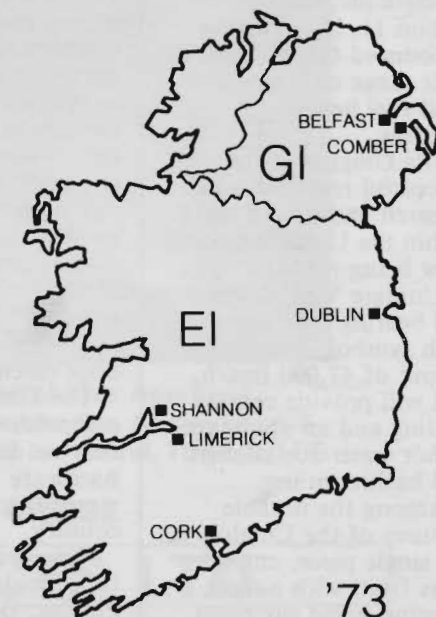
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TO RADIO	DATE	GI4T
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NEW PRODUCTS

New to Ireland — Valjac Jacket



● The new reusable, removable insulation jacket for valves etc

Using Alpha Maritex materials Alpine Insulations have launched a new removable, reusable insulation jacket for valves, flanges, vessels and fittings called the Alpine Valjac.

With rising fuel costs and increased competitiveness, it makes it essential to save money wherever possible. It is no secret that most insulation currently available for use with boiler operations is not really satisfactory for insulating a major source of steam system heat loss — that associated with valves and fittings.

For this reason, among others, valves and fittings are often neglected in an insulation programme. The

Alpine Valjac can be fitted in minutes and is extremely durable. They can be used over and over regardless of the number of times they must be removed from the fitting.

The Alpine Valjac using Alpha Maritex materials are specifically manufactured for high temperature use and resist abrasion, flexing, tearing and puncture. They are totally free of asbestos and are completely non-combustible. They combine high efficiency with a long service life.

For further details contact Aidan Gleeson, Alpine Insulations Ltd, Coolock Industrial Estate, Coolock, Dublin 5, (Tel: 476222).

SOLAR POWER — RAY OF HOPE

Within five years, solar-powered water supply pumping systems are expected to be cheaper than all other systems for heads of water up to at least 30m. This is the conclusion of a report on small-scale solar pumping systems prepared by top British consultants for the United Nations Development Programme and the World Bank.

Swindon-based consulting engineers, Sir William Halcrow & Partners, undertook the study in association with Intermediate Technology Power Ltd of Reading, and the joint team completed their report in July 1983.

One of the consultants' most important activities was the procurement and testing of commercially available pumping systems powered by photovoltaic arrays. The trials were carried out using a purpose-built test facility erected at Swindon at the consultants' own expense.

Tender documents were sent early in 1982 to 62 international suppliers who had expressed interest. A

total of 26 tenders were received back, offering 64 systems altogether. The consultants carefully evaluated each system and after discussions with the World Bank, it was agreed that six complete systems should be purchased for testing — two for each category — plus a further six subsystems (total system minus photovoltaic array).

All 12 systems were then tested using a specially-designed photovoltaic array output simulator. The team also defined, for testing purposes, a Standard Solar Day in which there is sunlight from 6am to 8pm and, overall, the amount of energy received by the array is 5 kWh/m².

Of the 12 systems offered, the Grundfos package was one of only two to meet all the specifications for daily volume, both at 5 kWh/m² and 4 kWh/m², and for daily efficiency at all three variations of head. The other was a system supplied by Heliodinamica of Brazil.

Ladder Scaffold

Up-Right (Upright Ladders Ltd), the well-known manufacturer and distributors of aluminium and timber ladders and steps, have just launched a new product produced in their Dun Laoghaire plant.

It is the "Mobile Ladder Scaffold", which was designed to combine labour saving with safety. It will prove a very useful tool to heating and ventilating contractors; painters and decorators; factory maintenance personnel; welders; electrical contractors; shop fitters; and sign erectors.

It provides a 1.8m walkway with guard rails, giving two people working heights of between 2.5m and 4.7m. The platform

height is easily adjusted in rises of 0.25m and is fitted with four rubber-tyred castors with brakes.

Erecting the scaffold can be achieved easily and quickly by one man and it can be rolled from area to area, even though a single standard doorway, without the need to dismantle it.

For ease of storage and transportation, the mobile ladder scaffold can be simply collapsed into its flat state by undoing the quick-release fastenings and it can then be carried on a roof rack.

For further information contact Andrew Maher, Sales Director, Up-Right (Upright Ladders Ltd), Pottery Road, Dun Laoghaire, Co Dublin, (Tel: 851977).



● The mobile ladder scaffold from Up-Right.

PUMPBUSINESS



By Pat Lehane

I must admit that there is a likeness — well the beard at least — but I can't help thinking that **Tony Cusack** of Wilo takes advantage of the situation. After "official" proceedings at the Embankment City trade show last month, I understand that Tony and colleagues were treated royally at an adjacent establishment.



Apparently, staff mistook them for **Ruairi Quinn** and his entourage. You'd best watch out Tony. . . it's a serious business impersonating a Government Minister.

On the subject of shows, the luxurious Westbury Hotel provided an ideal setting for **Brendan Whooley's** Shires range on 3 October last. The exhibition ran for two days and demonstrated emphatically just how important today's bathroom has become. It also demonstrated the new strength and depth of the Shires Ireland product line up, a point



● Bob Couchman presenting Hugh Maguire with a beautiful crystal glass bowl at the Engineers Club recently. The presentation was surreptitiously organised by the Committee to surprise Hugh and show some form of appreciation for his service to the industry over 50 years. Nice thought guys. . . and well done Hugh.

which will not have gone unnoticed by major competitors.

And what of the **Euramo** takeover by **Wilo**? This will surely have a very dramatic effect on the pump market, despite assurances from company executives that both firms will continue to run as before. On a day-to-day basis this

may well be so, but it won't take long for the effect of the combined research, marketing and purchasing resources to become apparent in terms of price and quality control.

Congratulations to **Terry Delahunty**. He must be very proud of the Potterton "This Old House" ad currently running

on RTE television. In addition to being an effective sales aid to his own business, the quality and style of presentation lend a progressive and "with it" air to the whole industry. So often with endeavours of this sort we seem to present such a staid image.

Mustn't forget **Bord na Mona** in this respect either. Their poster campaign is very attractive and the use of the graphics, in conjunction with the simple "cold war" slogan, is extremely effective.

On the more social side I must begin by apologising to **Paddy Delaney** for my boob in last month's issue. I reckon my informant on that famous golfing weekend had a little too much of that free

champagne. I gave the impression that someone else had won the major prize of the day. Apologies again Paddy.

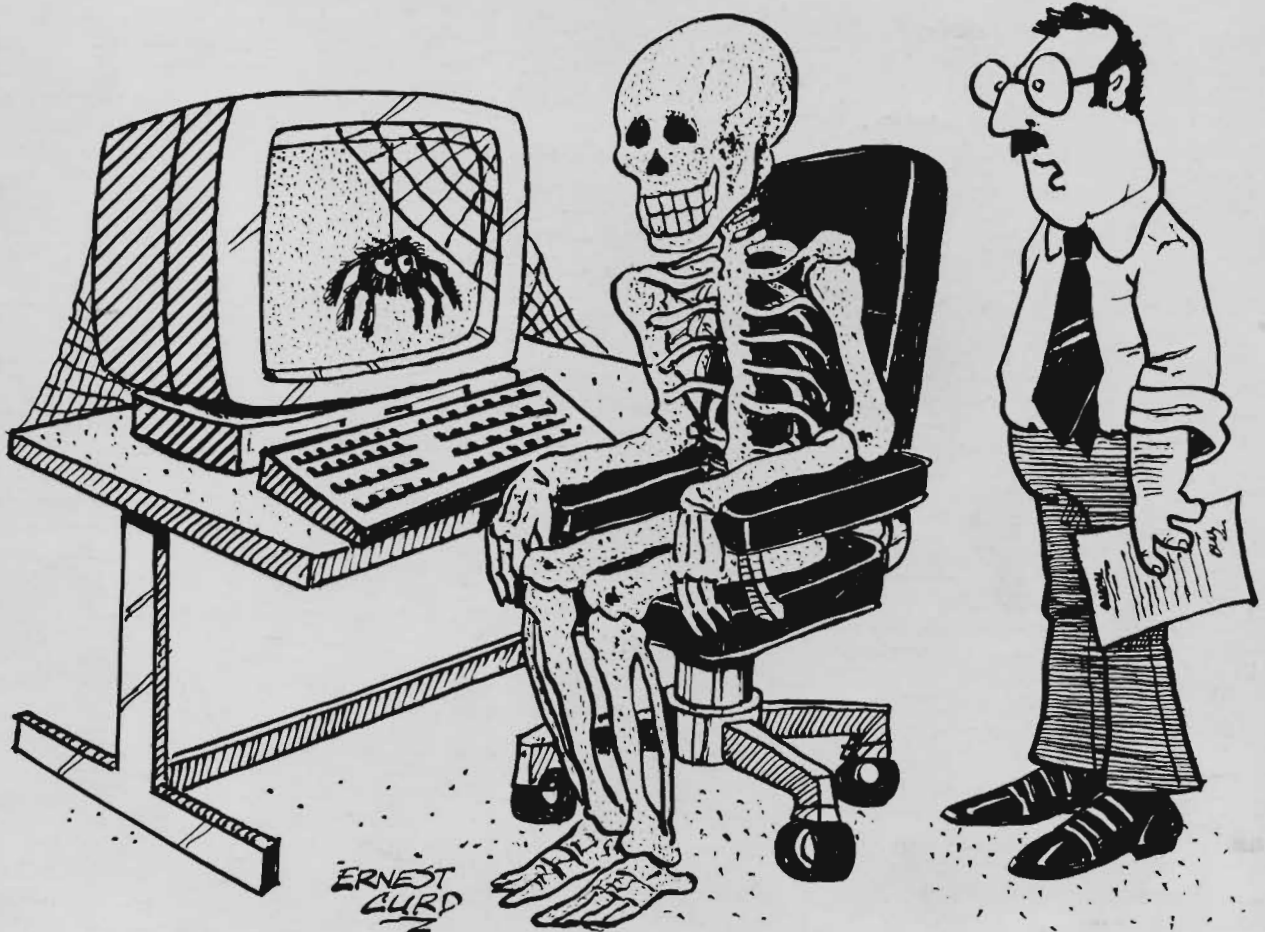
Chicago? What's Chicago? For those of you who don't already know the CIBS, in their wisdom, decided on a totally new formula for the **Ladies Night** this year which — at **Greg Traynor's** prompting — took in a premiere showing of the play "Chicago" at the John Player Theatre. The show was performed before a capacity audience who were treated to an excellent evening's entertainment.

To round off this month I feel I must comment on the amount of interest generated by "that piece of stone" on the **BGE** stand at Gas Ireland. People looked at it, touched it, photographed it and even talked at length about it. The people I felt sorry for were **Willie Roche** and **Breda Dunne** who I think were none too pleased when I suggested they should pose for my photographer with it. But pose they did. . . thanks again, both of you.



● Setting a style all of his own. . . that's Michael Buckley. The polka-dot bow has become his trademark and my, doesn't he wear it well. Mind you, he's been outdone on this occasion by wife "Mary Rose". Our photographer caught them both at Heathrow recently en route to that Frank Sinatra concert. Isn't it well for some!

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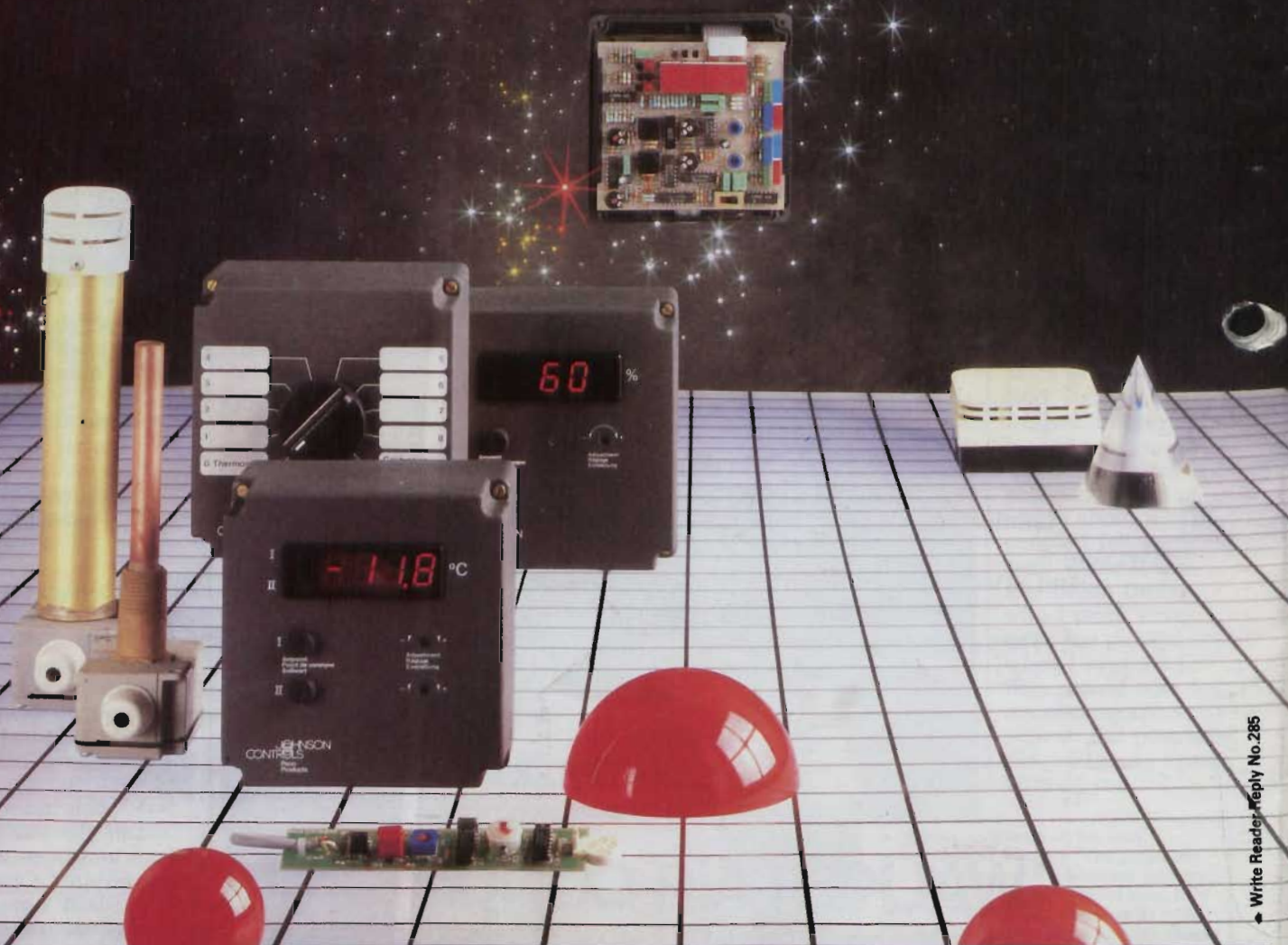
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